L Number	Hits	Search Text	DB	Time stamp
1	16	imidazo with (quinolin or quinoline) with amine	USPAT; US-PGPUB	2003/05/13 16:23

EAST
10/027,218

10/ 027,218

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
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NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
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NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
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NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS 28	Mar 20	EVENTLINE will be removed from STN
NEWS 29	Mar 24	PATDPAFULL now available on STN
NEWS 30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 31	Apr 11	Display formats in DGENE enhanced
NEWS 32	Apr 14	MEDLINE Reload
NEWS 33	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 34	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 35	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 36	Apr 28	RDISCLOSURE now available on STN
NEWS 37	May 05	Pharmacokinetic information and systematic chemical names added to PHAR

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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10/ 027,218

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 13:36:29 ON 13 MAY 2003

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 MAY 2003 HIGHEST RN 514787-04-3
DICTIONARY FILE UPDATES: 12 MAY 2003 HIGHEST RN 514787-04-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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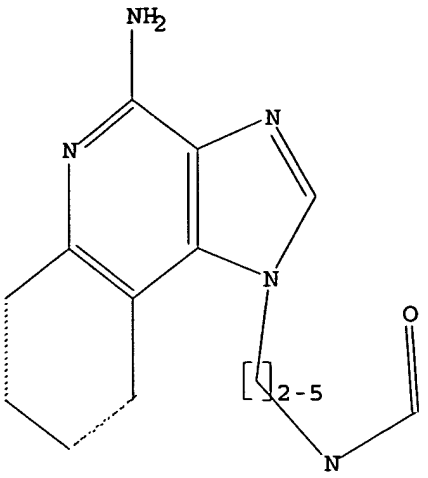

Structure attributes must be viewed using STN Express query preparation.

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FULL SCREEN SEARCH COMPLETED -    680 TO ITERATE    .

100.0% PROCESSED     680 ITERATIONS                          511 ANSWERS
SEARCH TIME: 00.00.01

L2          511 SEA SSS FUL L1

=> file caplus
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FILE 'CAPLUS' ENTERED AT 13:37:32 ON 13 MAY 2003
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FILE COVERS 1907 - 13 May 2003  VOL 138 ISS 20
FILE LAST UPDATED: 12 May 2003  (20030512/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

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L3            8 L2
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YOU HAVE REQUESTED DATA FROM 8 ANSWERS - CONTINUE? Y/(N):n

=> d l3 1- ibib abs fhitstr
YOU HAVE REQUESTED DATA FROM 8 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:449990 CAPLUS
DOCUMENT NUMBER: 137:28292
TITLE: Screening method for identifying compounds that selectively induce interferon alpha
INVENTOR(S): Tomai, Mark A.; Vasilakos, John P.
PATENT ASSIGNEE(S): 3M Innovative Properties Company, USA
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002046749	A2	20020613	WO 2001-US46698	20011206
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002032498	A5	20020618	AU 2002-32498	20011206
US 2002110840	A1	20020815	US 2001-13193	20011206
PRIORITY APPLN. INFO.:			US 2000-254229P P	20001208
			WO 2001-US46698 W	20011206

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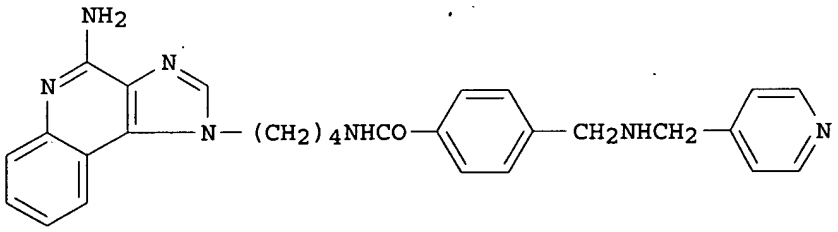


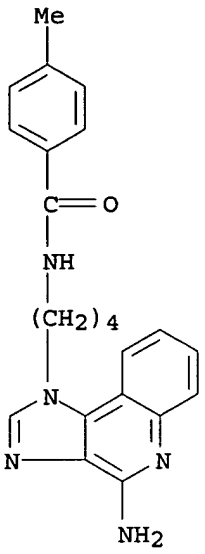
I

AB Methods for screening for compds. that selectively induce IFN-.alpha. prodn. and methods for ameliorating conditions in a patient using a small mol. that selectively induces the prodn. of IFN-.alpha. are disclosed. Cytokine expression was detd. in various cell types (PBMC, CD14+ cells, pDC2-enriched cells, and DC11c+ blood DC) stimulated with nonselective compd. resiquimod or with selective compd. I.

IT **313348-15-1**
RL: BUU (Biological use, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(screening method for identifying compds. that selectively induce interferon alpha)

10/ 027,218

RN 313348-15-1 CAPLUS
CN Benzamide, N-[4-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butyl]-4-methyl- (9CI) (CA INDEX NAME)



L3 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:360094 CAPLUS
DOCUMENT NUMBER: 134:366874
TITLE: Preparation of dye-labeled imidazoquinolines and analogs as immunomodulators
INVENTOR(S): Wei, Ai-Ping; Tomai, Mark A.; Rice, Michael J.
PATENT ASSIGNEE(S): 3M Innovative Properties Company, USA
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001034709	A1	20010517	WO 2000-US30366	20001103
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6376669	B1	20020423	US 2000-705072	20001102
EP 1228147	A1	20020807	EP 2000-980282	20001103
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2002120141	A1	20020829	US 2002-78645	20020219
NO 2002001974	A	20020628	NO 2002-1974	20020425

PRIORITY APPLN. INFO.: US 1999-163724P P 19991105
US 2000-705072 A 20001102

WO 2000-US30366 W 20001103

OTHER SOURCE(S): MARPAT 134:366874

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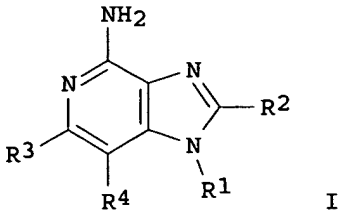


I

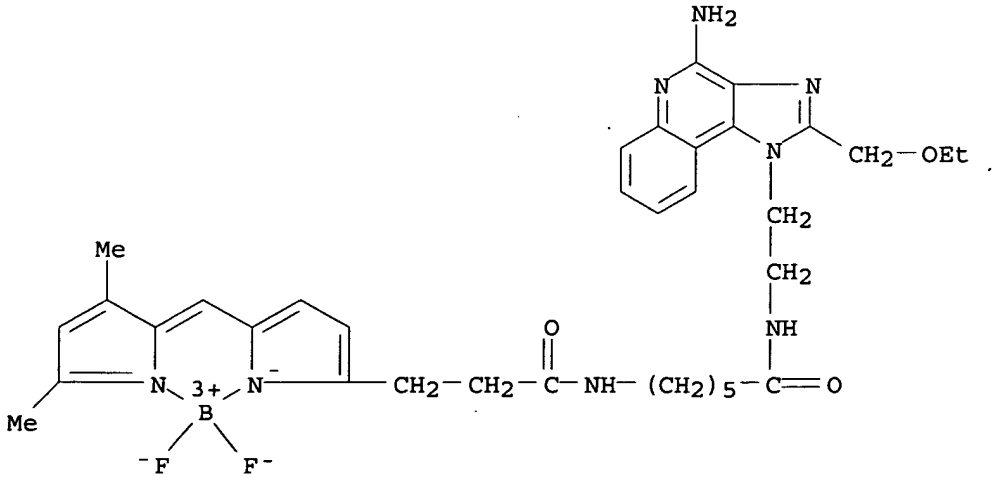
AB Title compds. [I; R1 = ZR; R = dye residue; R2 = H, (un)substituted alkyl, (hetero)aryl(alkyl), etc.; R3,R4 = H, halo, alkyl, alkoxy, etc.; R3R4 = atoms to complete a ring; Z = spacer group], useful, inter alia, for detg. the binding and/or receptor sites of the mols., were prepd. Thus, 3-nitro-4-quinolinol was aminated by H2N(CH2)4CHCO2CMe3 and the reduced product cyclocondensed with MeOCH2CH2COCl to give, in 3 addnl. steps, I [R1 = (CH2)4NHR, R2 = CH2CH2OMe, R3R4 = CH:CHCH:CH](II; R = H) which was amidated by fluorescein 5-isothiocyanate to give II (R = CSNHZ1R5, R5 = 6-hydroxy-3-oxo-3H-xanthen-9-yl, Z1 = 3-carboxy-1,4-phenylene). Data for biol. activity of 1 prepd. I were given.

IT **340128-24-7P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of dye-labeled imidazoquinolines and analogs as immunomodulators)

RN 340128-24-7 CAPLUS

CN Boron, [N-[6-[[2-[4-amino-2-(ethoxymethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethyl]amino]-6-oxohexyl]-5-[(3,5-dimethyl-2H-pyrrol-2-ylidene-.kappa.N)methyl]-1H-pyrrole-2-propanamidato-.kappa.N1]difluoro-, (T-4)-(9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:900462 CAPLUS

10/ 027,218

DOCUMENT NUMBER: 134:56667
TITLE: Preparation of sulfonamide and sulfamide substituted imidazoquinolines as immune response modifiers
INVENTOR(S): Crooks, Stephen L.; Lindstrom, Kyle J.; Merrill, Bryon A.; Rice, Michael J.
PATENT ASSIGNEE(S): 3m Innovative Properties Company, USA
SOURCE: PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000076519	A1	20001221	WO 2000-US15722	20000608
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6331539	B1	20011218	US 2000-589216	20000607
BR 2000011433	A	20020305	BR 2000-11433	20000608
EP 1198233	A1	20020424	EP 2000-938211	20000608
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003501474	T2	20030114	JP 2001-502852	20000608
EE 200100669	A	20030217	EE 2001-669	20000608
NO 2001005502	A	20020207	NO 2001-5502	20011109

PRIORITY APPLN. INFO.: US 1999-138365P P 19990610
US 2000-589216 A 20000607
WO 2000-US15722 W 20000608

OTHER SOURCE(S): MARPAT 134:56667
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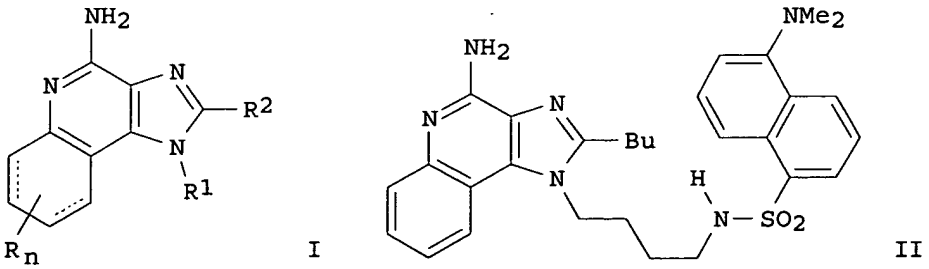


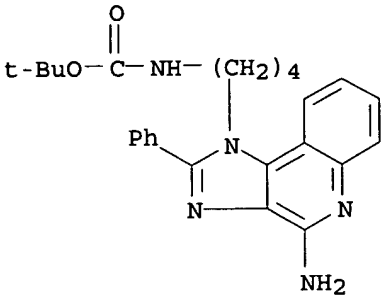
AB The title compds. [I; R1 = alkylNR3SO2XR4, alkenylNR3SO2XR4 (wherein X = a bond, NR5; R3 = H, alkyl; R4 = (un)substituted aryl, heteroaryl, alkyl, etc.; R5 = H, alkyl; R4 and R5 can combine to form 3-7 membered (un)substituted heterocyclic ring); R2 = H, alkyl, aryl, etc.; R = alkyl, alkoxy, halo, CF3; n = 0-4], useful as immune response modifiers, were prepd. Thus, reacting 5-dimethylamino-1-naphthalenesulfonyl chloride with 1-(4-aminobutyl)-2-butyl-1H-imidazo[4,5-c]quinolin-4-amine in the presence of N,N-diisopropylethylamine in CH2Cl2 afforded the naphthalenesulfonamide II which induced interferon .alpha. and TNF.alpha. biosynthesis in human

cells at 0.12 .mu.M and 3.33 .mu.M, resp. The compds. I can induce the biosynthesis of various cytokines such as interferon .alpha. and TNF.alpha. (data given), and are useful in the treatment of a variety of conditions including viral diseases and neoplastic diseases.

IT **313350-26-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of sulfonamide and sulfamide substituted imidazoquinolines as immune response modifiers)

RN 313350-26-4 CAPLUS

CN Carbamic acid, [4-(4-amino-2-phenyl-1H-imidazo[4,5-c]quinolin-1-yl)butyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:900461 CAPLUS
DOCUMENT NUMBER: 134:56666
TITLE: Preparation of urea substituted imidazoquinolines as immune response modifiers
INVENTOR(S): Crooks, Stephen L.; Merrill, Bryon A.; Rice, Michael J.
PATENT ASSIGNEE(S): 3m Innovative Properties Company, USA
SOURCE: PCT Int. Appl., 106 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000076518	A1	20001221	WO 2000-US15656	20000608
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US 6541485	B1	20030401	US 2000-589236	20000607
EP 1198232	A1	20020424	EP 2000-938205	20000608
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EE 200100668	A	20030217	EE 2001-668			20000608
NO 2001005504	A	20020207	NO 2001-5504			20011109
PRIORITY APPLN. INFO.:			US 1999-138365P	P		19990610
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			WO 2000-US15656	W		20000608

OTHER SOURCE(S): MARPAT 134:56666

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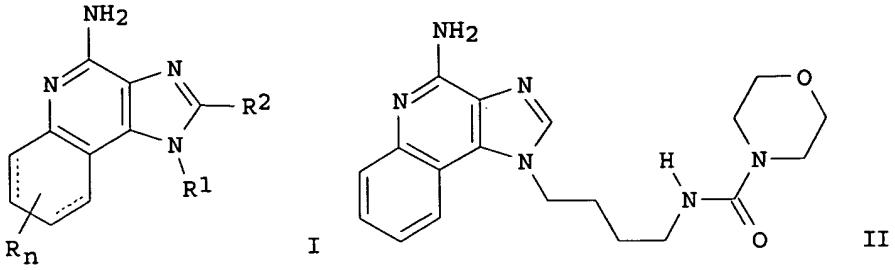


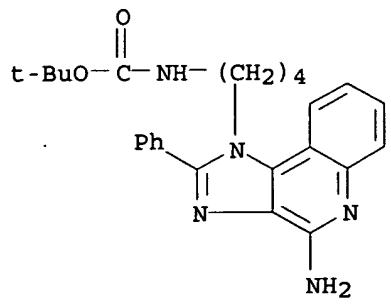
I II

AB The title compds. [I; R1 = alkylNR3CYNR5XR4, alkenylNR3CYNR5XR4 (wherein Y = O, S; X = a bond, CO, SO2; R3 = H, alkyl; R4 = (un)substituted aryl, heteroaryl, alkyl, etc.; R5 = H, alkyl; R4 and R5 can combine to form 3-7 membered (un)substituted heterocyclic ring); R2 = H, alkyl,aryl, etc.; R = alkyl, alkoxy, halo, CF3; n = 0-4], useful as immune response modifiers, were prepd. Thus, reacting 4-morpholinecarbonyl chloride with 1-(4-aminobutyl)-1H-imidazo[4,5-c]quinolin-4-amine in pyridine afforded II which induced interferon .alpha. biosynthesis in human cells at 3.33 .mu.M. The compds. I can induce the biosynthesis of various cytokines such as interferon .alpha. and TNF.alpha. (data given), and are useful in the treatment of a variety of conditions including viral diseases and neoplastic diseases.

IT **313350-26-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of urea substituted imidazoquinolines as immune response modifiers)

RN 313350-26-4 CAPLUS

CN Carbamic acid, [4-(4-amino-2-phenyl-1H-imidazo[4,5-c]quinolin-1-yl)butyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



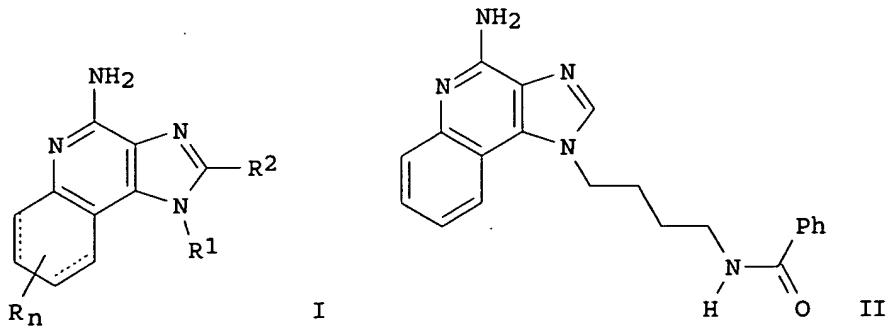
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:900448 CAPLUS
DOCUMENT NUMBER: 134:56665
TITLE: Preparation of amide substituted imidazoquinolines as immune response modifiers
INVENTOR(S): Coleman, Patrick L.; Crooks, Stephen L.; Lindstrom, Kyle J.; Merrill, Bryon A.; Rice, Michael J.
PATENT ASSIGNEE(S): 3m Innovative Properties Company, USA
SOURCE: PCT Int. Appl., 170 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000076505	A1	20001221	WO 2000-US15702	20000608
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6451810	B1	20020917	US 2000-589580	20000607
EP 1187613	A1	20020320	EP 2000-950215	20000608
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2003501466	T2	20030114	JP 2001-502838	20000608
EE 200100670	A	20030217	EE 2001-670	20000608
NO 2001005503	A	20020208	NO 2001-5503	20011109

PRIORITY APPLN. INFO.:
US 1999-138365P P 19990610
US 2000-589580 A 20000607
WO 2000-US15702 W 20000608

OTHER SOURCE(S): MARPAT 134:56665
GI



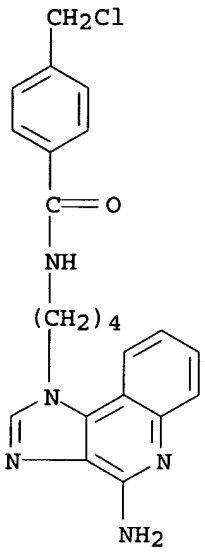
AB The title compds. [I; R1 = alkylNR3COR4, alkenylNR3COR4 (wherein R4 = (un)substituted aryl, heteroaryl, alkyl, etc.); R2 = H, alkyl, alkenyl, etc.; R = alkyl, alkoxy, halo, CF3; n = 0-4] and their pharmaceutically

acceptable salts, useful as immune response modifiers, were prepd. Thus, reacting 1-(4-aminobutyl)-1H-imidazo[4,5-c]quinolin-4-amine with benzoyl chloride in pyridine afforded the benzamide II which showed the lowest concn. of 0.37 .mu.M to induce interferon in human cells. The compds. I can induce the biosynthesis of various cytokines (data given for interferon .alpha. and TNF.alpha.) and are useful in the treatment of a variety of conditions including viral diseases and neoplastic diseases.

IT **313347-45-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of amide substituted imidazoquinolines as immune response modifiers)

RN 313347-45-4 CAPLUS

CN Benzamide, N-[4-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butyl]-4-(chloromethyl)- (9CI) (CA INDEX NAME)



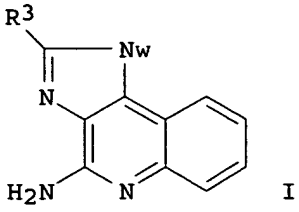
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:518673 CAPLUS
DOCUMENT NUMBER: 131:175067
TITLE: Topical preparations containing interferon-inducing amides
INVENTOR(S): Iizuka, Takao; Nanba, Ryoichi; Watanabe, Eiji; Ueda, Mieko
PATENT ASSIGNEE(S): Terumo Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11222432	A2	19990817	JP 1998-21652	19980203

PRIORITY APPLN. INFO.: JP 1998-21652 19980203

OTHER SOURCE(S): MARPAT 131:175067
GI



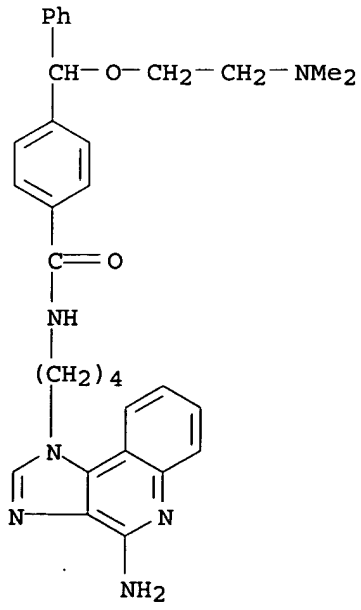
I

AB The prepns. contain amides I [R1, R2 = C1-6 (branched) alkyl; R1R2 may form ring; R1 or R2 may be linked to X, Y, or any of the CH2; X, Y = O, SOp (p = 0-2), NR4, R5C:CR6, CR7R8, (un)substituted C6H4; R4-R8 = H, lower alkyl, OH, lower alkoxy, NH2, etc.; Z = (un)substituted arom. ring, heterocyclyl; R3 = H, (un)substituted Ph, lower (un)substituted alkyl; w = (CH2)nNHCO(CH2)mZl(CH2)kYj(CH2)iXh(CH2)gNR1R2; g, i, k = 0-6; h, j, l = 0, 1; m = 0-5; n = 2-12] or their salts, dissoln./absorption accelerators, and bases. The prepns. are useful for treatment of atopic dermatitis. An ointment contg. I (R1 = R2 = Me, g = 2, Xh = O, i, k, m = 0, Yj = CHPh, Zl = 4-C6H4, n = 4, R3 = H) and SP 20 (sorbitan monolaurate) showed good bioavailability.

IT **210304-22-6P**
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(topical prepns. contg. interferon-inducing amides for treatment of atopic dermatitis)

RN 210304-22-6 CAPLUS

CN Benzamide, N-[4-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butyl]-4-[[2-(dimethylamino)ethoxy]phenylmethyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:490641 CAPLUS
DOCUMENT NUMBER: 129:122665
TITLE: Preparation of novel amide derivatives as drugs
INVENTOR(S): Nanba, Ryouichi; Iizuka, Takao; Ishii, Takeo
PATENT ASSIGNEE(S): Terumo K. K., Japan; Nanba, Ryouichi; Iizuka, Takao; Ishii, Takeo
SOURCE: PCT Int. Appl., 118 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

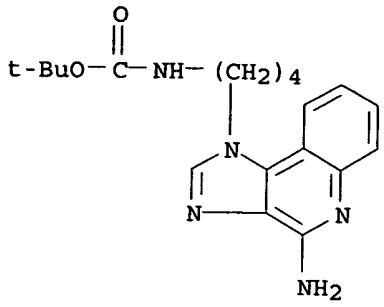
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9830562	A1	19980716	WO 1998-JP5	19980106
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 894797	A1	19990203	EP 1998-900159	19980106
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 6069149	A	20000530	US 1998-171521	19981123

PRIORITY APPLN. INFO.: JP 1997-2375 19970109
WO 1998-JP5 19980106
OTHER SOURCE(S): MARPAT 129:122665
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. (I; R1, R2 = branched C1-6 alkyl, or may combine together to form a cyclyl; X, Y = O, NR4, CR5, etc.; R4, R5 = H, lower alkyl, etc.; Z = aryl, heterocycle, OH, alkyl, etc.; R3 = H, lower alkoxy, etc.; g, i, k = 0-6; h, i, l = 0, 1; p = 0-5; n = 2-12) are prepd. I, having an eosinophilic infiltration inhibitory effect based on a potent interferon (.alpha.,.gamma.)-inducing activity and an excellent percutaneous absorbability, are useful in treating allergic inflammatory diseases such as atopic dermatitis, various tumors and viral diseases. Thus, compd. (II) (prepn. given) was cyclized with HC(OEt)3 to give the title compd. (III). I were tested and showed enhancing IFN (.alpha. and .gamma.)-inducing activity. A formulation contg. I is also prepd.

IT **210303-99-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of novel amide derivs. as drugs)
RN 210303-99-4 CAPLUS
CN Carbamic acid, [4-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

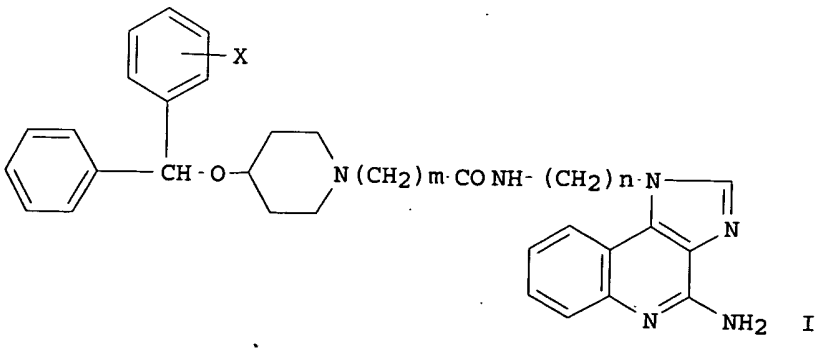


REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:542873 CAPLUS
DOCUMENT NUMBER: 127:248129
TITLE: Preparation of imidazo[4,5-c]quinoline-containing amides and their intermediates and pharmaceuticals for atopic dermatitis
INVENTOR(S): Nanba, Ryoichi; Ishii, Takeo; Nishida, Hitoshi; Iizuka, Takao
PATENT ASSIGNEE(S): Terumo Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09208584	A2	19970812	JP 1996-13113	19960129

PRIORITY APPLN. INFO.: JP 1996-13113 19960129
OTHER SOURCE(S): MARPAT 127:248129
GI



AB Title compds. I (X = H, halo; m = 1-9; n = 2-12), which show eosinophil infiltration inhibition and antihistaminic activity, are prepd. Eight types of intermediates for I are also claimed. An EtOH soln. contg. 0.12 g 1-[3-(acrylamino)propyl]-1H-imidazo[4,5-c]quinoline-4-amine (prepn. given), 0.13 g 4-(diphenylmethoxy)piperidine.HCl, and NaHCO3 was refluxed overnight to give 75 mg I (X = H, m = 2, n = 3), which in vitro inhibited histamine-induced contraction of tracheal muscle of guinea pig with IC50

10/ 027,218

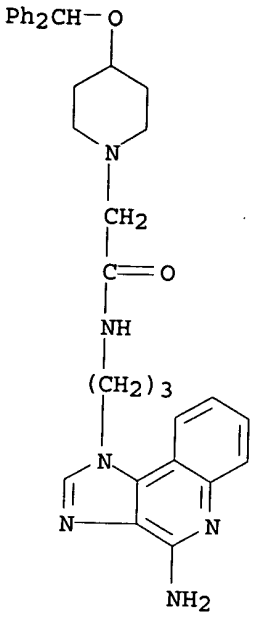
of 3.4 .times. 10-7 M, vs. 1.5 .times. 10-7 M, for diphenhydramine.HCl. An ointment contg. I was formulated.

IT **195712-01-7P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of imidazo[4,5-c]quinoline-contg. amides as pharmaceuticals for treatment of atopic dermatitis)

RN 195712-01-7 CAPLUS

CN 1-Piperidineacetamide, N-[3-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)propyl]-4-(diphenylmethoxy)- (9CI) (CA INDEX NAME)



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L1 STRUCTURE UPLOADED
L2 511 S L1 FUL

FILE 'CAPLUS' ENTERED AT 13:37:32 ON 13 MAY 2003
L3 8 S L2

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	37.12	185.48
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.21	-5.21

STN INTERNATIONAL LOGOFF AT 13:38:41 ON 13 MAY 2003